

# AI-Powered Robot Vacuum Cleaner with Laser and Camera Navigation

This robot vacuum cleaner uses laser and camera-based navigation with AI. It has intelligent path planning, obstacle avoidance, and zone cleaning capabilities.



## ADDITIONAL IMAGES



## Overview

### Intelligent Cleaning Solution

This advanced robot vacuum cleaner utilizes a sophisticated combination of laser and camera-based navigation, enhanced by artificial intelligence, to deliver efficient and thorough cleaning performance. Designed for professional-grade floor maintenance, it features intelligent path planning, precise obstacle avoidance, and adaptive cleaning capabilities. The system automatically learns and adapts to various home environments, ensuring comprehensive coverage and optimized cleaning routines.

## Navigation Technology

### Hardware Features

- Elevating LDS module
- Integrated Camera
- Laser Sensor

### Navigation System

LDS Navigation, VSLAM, AI Recognition

## Cleaning Capabilities

### Core Functions

Obstacle Avoidance • Path Planning • Zone Cleaning • Automatic Charging • App Control

### Performance Metrics

**1 High**

AI Adaptation Level